EXHIBIT 11



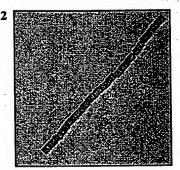
Blast 2 Sequences results

BLAST 2 SEQUENCES RESULTS VERSION BLASTP 2.2.3 [Apr-24-2002]

Matrix BEOSUM6265 gap open: 11 gap extension: 1 x_dropoff: 50 expect: 10.0 wordsize: 3 Filter Align

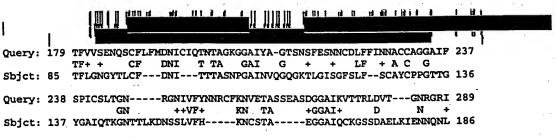
Sequence 1 Icliseq_1 Length 955 (1..955) PMPE PTA 246 Z Sequence 2 Icl|seq_2 Length 839 (1..839) POMP90B





NOTE: The statistics (bitscore and expect value) is calculated based on the size of nr database

Score = 162 bits (411), Expect = 2e-38 Identities = 208/781 (26%), Positives = 329/781 (41%), Gaps = 114/781 (14%)



Query: 290 FFSDNITKNYGGAIYAPVVTLVDNGPTYFINNVANN----KGGAIYI-DGTSNSKISADR 344 FS+N + + GGAIYA +T+V GPT F NN +N KGGAI I D + Sbjct: 187 VFSENSSTSKGGAIYADKLTIVSGGPTLFSNNSVSNGSSPKGGAISIKDSSGECSLTADL 246

Query: 345 HAIIFNENIVTNVTSANGTSTSANPPRRNAITVASSSGEILLGAGSSONLIFYDPIEVSN 404 + + T T + FYDPI I F+ N + RN+T + + T. A

Sbjct: 247 GDITFDGNKIIKTSGGSSTVT-----RNSIDLGTGK-FTKLRAKDGFGIFFYDPITGGG 299

Query: 405 AG-VSVSFNKEADQTGSVVFSGATVNSAD-FHQRNLQTKTPAPLTLSNGFLCIEDHAQLT 462 ++++ + D TG +VFSG ++ + NL + P+TLS G L ++D

Sbjct: 300 SDELNINKKETVDYTGKIVFSGEKLSDEEKARAENLASTFNQPITLSAGSLVLKDGVSVT 359

Query: 463 VMRFTQ-TGGVVSLGMGAVLSCYKNGAGNSASNASITLKHIGLMLSSILKSGAEIPLLWV 521 + TQ G V + G L +ITL ++ +N++S+ G +G

Sbjct: 360 AKQVTQEAGSTVVMDLGTTLQTPSSG-----GETITLTNLDINIASLGGGGG------ 407

Query: 522 EPTNNSNNYTADTAATFSLSDVKLSLIDDYGNSPYESTDLTHALSSQPMLSISEASDNQL 581 + N TA · A T + ++L+D GN+ YE L +S+P +I

Sbjct: 408 SPAKLATN-TASQAITIN----AVNLVDADGNA-YEDPILA---TSKPFTAIVATTNAST 458

Query: 582 RSDDMDFSGLNVP--HYGWQGLWSWGWAKTQDPEPASSATITDPKKANRFHRTLLLTWLP 639 VP HYG+QG W+ W D E A+ +T LTW + D

Sbjct: 459 VTQPTDNLTNYVPPTHYGYQGNWTVTW----DTETAT-----KTATLTWEQ 500

Query: 640 AGYVPSPKHRSPLIANTLWG--NMLLATESLKNSAELTPSDHPFWGITGGGLGMMVYQEP 697 GY P+P+ + PL+ NTLWG + L A ++L + + H G GL

Sbjct: 501 TGYSPNPERQGPLVPNTLWGAFSDLRAIQNLMDISVNGADYHR--GFWVSGLANFLHKSG 558

Query: 698 RENHPGFHMRSSGYFAGMIA--GQTHTFSLKFSQTYTKLNE-RYAKN--NVSSKNYSCQG 752

BLAST 2 SEQUENCES

This tool produces the alignment of two given sequences using BLAST engine for local alignment. The stand-alone executable for blasting two sequences (bl2seq) can be retrieved from NCBI ftp site

Reference: Tatiana A. Tatusova, Thomas L. Madden (1999), "Blast 2 sequences - a new tool for comparing protein and nucleotide sequences", FEMS Microbiol Lett. 174:247-250 Program Blasto Matrix BEOSUM625 C Parameters used in **BLASTN** program only: Penalty for a mismatch: Reward for a match: Use Mega BLAST Strand option Not Applicable Open gap 11 and extension gap 1 penalties gap x_dropoff | 50 expect 10.0 word size 3 Filter Sequence 1 Enter accession or GI CLONE E or download from file or sequence in FASTA format from: 0 DYGNSPYESTULTHALSSQPMLSISEASDNQLRSDDMDFSGLNVPHYGWQGLWSWGWARTQ DPEPASSATITDPKKANRFHRTLLLTWLPAGYVPSPKHRSPLIANTLWGNMLLATESLKNS AELTPSDHPFWGITGGGLGMMVYQEPRENHPGFHMRSSGYFAGMIAGQTHTPSLKFSQTYT KLNERYAKNNYSSKNYSCQGEMLFSLQEGFLLAKLVGLYSYGDHNCHHFYTQGENLTSQGT FRSOTMGGAVFFDLPMKPFGSTHILTAPFLGALGIYSSLSHFTEVGAYPRSFSTKTPLINV Lvpigvkgsfmnatqrpqawtvelayqpvlyrqeleiatqllaskgiwfgsgspssrhams YKISQQTQPLSWLTLHFQYHGFYSSSTFCNYLNGEIALRF. Sequence 2 Enter accession or GI POMP90B or download from file or sequence in FASTA format from: 0 to: 0 TTINAVNEVDALGNAYEDPILATSKPFTALVATTNASTVTQPTDNLTNYVPPTHYGYQGN wtvtwdtetatktatltweqtgyspnperqgplvpntlwgafsdlraiqnlmdisvngad YHRGFWVSGLANFLHKSGSDTKRKFRHNSAGYALGVYAKTPSDDIFSAAFCQLFGKDKDY LVSKNNANIYAGSLYYQHISYWSAWQNLLQNTIGAEAPLVLNAQLTYCHASNDMKTNMTT TYAPRKTTYAEIKGDWGNDCFGVELGATVPIQTESSLLFDMYSPFLKFQLVHTHQDDFKE NNSDQGRYFESSNLTNLSLPIGIKFERFANNDTASYHVTAAYSPDIVRSNPDCTTSLLVS PDSAVWVTKANNLARSAFMLQAGNYLSLSHNIEIFSQFGFELRGSSRTYNVDLGSKIQF Align (eleand mout

Comments and suggestions to blast-help@ncbi.nlm.nih.gov

```
F S+GY G+ A
                                     FS F Q + K + +KN N+ + +
Sbjct: 559 SDTKRKFRHNSAGYALGVYAKTPSDDIFSAAFCQLFGKDKDYLVSKNNANIYAGSLYYQH 618
Query: 753 EMLFSLQEGFLLAKLVGLYSYGDHN----CHHFYTQGENLTS-----
                                                                --- QGTFR 795
              +S + LL +G + N CH N+T+
Sbjct: 619 ISYWSAWON-LLONTIGAEAPLVLNAQLTYCHASNDMKTNMTTTYAPRKTTYAEIKGDWG 677
Query: 796 SQTMGGAVFFDLPMKPFGSTHI-LTAPFLGALGIYSSLSHFTEVGAYPRSPSTKTPLINV 854
+ G + +P++ S + +PFL +++ F E + + + L N+
Sbjct: 678 NDCFGVELGATVPIQTESSLLFDMYSPFLKFQLVHTHQDDFKENNSDQGRYFESSNLTNL 737
Query: 855 LVPIGVKGSFMNATQRPQAWTVELAYQPVLYRQELEIATQLLAS--KGIWFGSGSPSSRH 912
            +PIG+K A ++ V AY P + R + T LL S +W + +R
Sbjct: 738 SLPIGIKFERF-ANNDTASYHVTAAYSPDIVRSNPDCTTSLLVSPDSAVWVTKANNLARS 796
Query: 913 A 913
Sbjct: 797 A 797
CPU time: 0.22 user secs.
                                  0.03 sys. secs
                                                            0.25 total secs.
          ĸ
Lambda
           0.132 0.396
   0.316
Gapped
           K H
Lambda
   0.267 0.0410 0.140
Matrix: BLOSUM62
Gap Penalties: Existence: 11, Extension: 1
Number of Hits to DB: 9570
Number of Sequences: 0
Number of extensions: 806
Number of successful extensions: 12
Number of sequences better than 10.0: 1
Number of HSP's better than 10.0 without gapping: 1
Number of HSP's successfully gapped in prelim test: 0
Number of HSP's that attempted gapping in prelim test: 0
Number of HSP's gapped (non-prelim): 2
length of query: 955
length of database: 326,887,585
 effective HSP length: 133
 effective length of query: 822
 effective length of database: 281,363,015
 effective search space: 231280398330
 effective search space used: 231280398330
 T: 9
 A: 40
 X1: 16 ( 7.3 bits)
X2: 129 (49.7 bits)
X3: 129 (49.7 bits)
S1: 41 (21.6 bits)
 S2: 78 (34.7 bits)
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BLAST 2 SEQUENCES

This tool produces the alignment of two given sequences using BLAST engine for local alignment.

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Reference: Tatiana A. Tatusova, Thomas L. Madden (1999), "Blast 2 sequences - a new tool for comparing protein and nucleotide sequences",

FEMS Microbiol Lett. 174:247-250

Program blastp Matrix MESSING

Parameters used in BLASTN program only:

Reward for a match: Penalty for a mismatch:

Use Mega BLAST Strand option NocApplicable

Open gap 11 and extension gap 1 penalties

gap x dropoff 50 expect 10.0 word size 3 Filter Mainn

Sequence 1 Enter accession or GI clone e or download from file	
or sequence in FASTA format from: 0 to: 0	
DIGNSPIESTULTHALSSQPMLSISEASUNQLKSUUMUFSGLNVFHIGWQGLWSWGWAKTQ DPEPASSATITDPKKANRFHRTLLLTWLPAGYVPSPKHRSPLIANTLWGNMLLATESLKNS AELTPSDHPFWGITGGGLGMMVYQEPRENHPGFHMRSSGYFAGMIAGQTHTFSLKFSQTYT KLNERYAKNNVSSKNYSCQGEMLFSLQEGFLLAKLVGLYSYGDHNCHHFYTQGENLTSQGT FRSQTMGGAVFFDLPMKPFGSTHILTAPFLGALGIYSSLSHFTEVGAYPRSFSTKTPLINV LVPIGVKGSFMNATQRPQAWTVELAYQPVLYRQELEIATQLLASKGIWFGSGSPSSRHAMS YKISQQTQPLSWLTLHFQYHGFYSSSTFCNYLNGEIALRF	
Secure 2 Fater assession of GI Francis and developed from 51s	
Sequence 2 Enter accession or GI POMP91A or download from file or sequence in FASTA format from: 0 to: 0	*
HIGIQGNWTVTWKQGSSAQEKTATLIWEQTGISPNPEKQGSLVPNTLWGSFSDLKALQNL MDISVNGADYHRGFWVSGLGNFLHKSGSDTKRKFRHNSAGYALGVYAQTPSEDVFSAAFC QLFGKDKDYLVSKNSSTVYAGSIYYQHISYWNTWNTLLQNTLGAEAPLVLNAQLAYCHAS	

OLFGKDKDYLVSKNSSTVYAGSIYYQHISYWNTWNTLLQNTIGAEAPLVLNAQLAYCHAS NNMKTNMTDTYAPPKTTYSEIKGDWGNDCFGVEFGAKAPIETASLLFDMYSPFVKLQLVH AHQDDFKENNSDQGRYFESNNLTNLSMPIGVKLEKPSHKDTASYNLTLAYAPDIVRSNPD CTASLLVSPTSAVWVTKANNLARHAFILQAGNYLALTRNTELFSQFGFELRGSCRTYNID LGSKIQF

Align:

Clear Input

Comments and suggestions to blast-help@ncbi.nlm.nih.gov



Blast 2 Sequ nces results

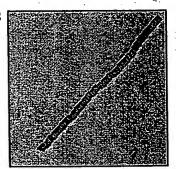
BLAST 2 SEQUENCES RESULTS VERSION BLASTP 2.2.3 [Apr-24-2002]

Matrix BEOSUM62 gap open: 11 gap extension: 1

x_dropoff: 50 expect: 10.0 wordsize: 3 Filter Align

Sequence 1 |cl||seq_1 | Length 955 (1...955) | PMPE | PTA 2442 Sequence 2 |cl||seq_2 | Length 847 (1...847) | POMP | 91 | A





NOTE: The statistics (bitscore and expect value) is calculated based on the size of nr database

Score = 174 bits (441), Expect = 7e-42 Identities = 196/767 (25%), Positives = 318/767 (40%), Gaps = 101/767 (13%)

11 1 11 4 4 11 E S 13116 6 111 1 Query: 190 LFMDNICIQTNTAGKGGAIYAGTSNSFESNNCDLFFINNACCAGGAIFSPICSLTGN---L DNI T ++ G +GT+ + + + LF + A C GA Sbjct: 97 LCFDNIT--TQSSHPGAISVSGTNKTLDISGFSLF--SCAYCPPGATGYGAIKAVGNTTI 152 Query: 247 --RGNIVFYNNRCFKNVETASSEASDGGAIKVTTRLDVTGNRGRIFFSDNITKNYGGAIY 304 KN T A A L + N+ +F ++N + + GGAIYSbict: 153 KDNSSLVFH-----KNCSTGEGGAIOCKASSSEAELKIENNONLVF-AENSSSSSGGAIY 206 Query: 305 APVVTLVDNGPTYFINN---VANNKGGAIYI-DGTSNSKISADRHAIIFNENIVTNVTSA 360 A +T+V GPT F NN ++ KGGAI I D ++AD I F+ N + Sbjct: 207 ADKLTIVSGGPTLFSNNSVSASSPKGGAICIKDSGGECSLTADLGDITFDGNKIIKTNGG 266 Query: 361 NGTSTSANPPRRNAITVASSSGEILLGAGSSQNLIFYDPIEVSNAGVSVSFNKE--ADQT 418 RN+I + SS L A + FYDPI ++ NK+ Sbjct: 267 SPTVT-----RNSIDLGSSGKFTKLNAKEGFGIFFYDPI-TGGGSDELNINKQDTVDYT 319 Query: 419 GSVVFSGATVNSADFH-QRNLQTKTPAPLTLSNGFLCIEDHAQLTVNRFTQT-GGVVSLG 476 FTOT G V + G +VFSG ++ + NL++ PL + +G L ++D L Sbjct: 320 GKIVFSGERLSDEEKKVAANLKSDFKQPLKIGSGSLILKDGVTLETKSFTQTEGATVVMD 379 Query: 477 NGAVLSCYKNGAGNSASNASITLKHIGLNLSSILKSGAEIPLLWVEPTNNSNNYTADTAA 536 +ITL ++ +N++S+ G VETST+ Sbjct: 380 IGTTLQTPSSGG-----ETITLTNLDINVASLGGGGVAPDPAKVEATTESKTVTINA-- 431 Query: 537 TFSLSDVKLSLIDDYGNSFYESTDLTHALSSQPMLSIS--EASDNQLRSDDMDFSGLNVP 594 ++L+DD GN+ YE L +SQP +I Sbjct: 432 ------VNLVDDNGNA-YEYPILA---ASQPFTAIEVRSGSSGSITKPTTNLENYTPP 479 Query: 595 -HYGWQGLWSWGWAKTQDPEPASSATITDPKKANRFHRTLLLTWLPAGYVPSPKHRSPLI 653 HYG+QG W+ W + SSA +T LTW GY P+P+ + L+ ----GSSAQ-------EKTATLTWEQTGYSPNPERQGSLV 523 Sbjct: 480 THYGYQGNWTVTWKQ--Query: 654 ANTLWGNMLLATESLKNSAELTPSDHPFW-GITGGGLGMMVYQEPRENHPGFHMRSSGYF 712 NTLWG+ +++N +++ + G GLG +++ Sbjct: 524 PNTLWGS-FSDIRAIQNLMDISVNGADYHRGFWVSGLGNFLHKSGSDTKRKFRHNSAGYA 582 Query: 713 AGMIA--GQTHTFSLKFSQTYTKLNERYAKNNVSSKNYSCQGEMLF-----SLQE 760

```
FS F Q + K ++ Y + SS Y+ G + +
Sbjct: 583 LGVYAQTPSEDVFSAAFCQLFGK-DKDYLVSKNSSTVYA--GSIYYQHISYWNTWNTLLQ 639
Query: 761 GFLLAKLVGLYSYGDHNCHHFYTQGENLTS-----QGTFRSQTMGGAVFFDLP 808
           L A+ ++ CH N+T +G++ G P
Sbjct: 640 NTLGAEAPLVLNAQLAYCHASNNMKTNMTDTYAPPKTTYSEIKGDWGNDCFGVEFGAKAP 699
Query: 809 MKPFGSTHILTAPFLGALGIYSSLSHFTEVGAYPRSFSTKTPLINVLVPIGVKGSFMNAT 868
                 + +PF+ +++ F E + + L N+ +PIGVK +
Sbjct: 700 IETASLLFDMYSPFVKLQLVHAHQDDFKENNSDQGRYFESNNLTNLSMPIGVKLEKF-SH 758
Query: 869 QRPQAWTVELAYQFVLYRQELEIATQLLAS--KGIWFGSGSPSSRHA 913
          + ++ + LAY P + R + LL S +W + +RHA
Sbjct: 759 KDTASYNLTLAYAPDIVRSNPDCTASLLVSPTSAVWVTKANNLARHA 805
CPU time: 0.23 user secs.
                               0.03 sys. secs
                                                        0.26 total secs.
Lambda K H 0.316 0.132 0.396
Gapped
Lambda
   0.267 0.0410 0.140
Matrix: BLOSUM62
Gap Penalties: Existence: 11, Extension: 1
Number of Hits to DB: 10,082
Number of Sequences: 0
Number of extensions: 843
Number of successful extensions: 16
Number of sequences better than 10.0: 1
Number of HSP's better than 10.0 without gapping: 1
Number of HSP's successfully gapped in prelim test: 0
Number of HSP's that attempted gapping in prelim test: 0
Number of HSP's gapped (non-prelim): 2
length of query: 955
length of database: 326,887,585
effective HSP length: 133
effective length of query: 822 effective length of database: 281,363,015
effective search space: 231280398330
 effective search space used: 231280398330
T: 9
 A: 40
 X1: 16 ( 7.3 bits)
X2: 129 (49.7 bits)
X3: 129 (49.7 bits)
 S1: 41 (21.6 bits)
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Reference: Tatiana A. Tatusova, Thomas L. Madden (1999), "Blast 2 sequences - a new tool for comparing protein and nucleotide sequences", FEMS Microbiol Lett. 174:247-250 Program blastp Matrix BB10S1M62 Parameters used in **BLASTN** program only: Penalty for a mismatch: Reward for a match: Use Mega BLAST Strand option Not Applicable Open gap 11 and extension gap 1 gap x_dropoff 50 expect 10.0 word size 3 Filter 📆 Sequence 1 Enter accession or GI clone e or download from file or sequence in FASTA format from: 0 DIGNSFIESTDUTHALSSUPMLSISEASUNULKSDUMDFSGLNVFHIGWUGLWSWGWAKTU DPEPASSATITDPKKANRFHRTLLLTWLPAGYVPSPKHRSPLIANTLWGNMLLATESLKNS **AELTPSDHPFWGITGGGLGMMVYQEPRENHPGFHMRSSGYFAGMIAGQTHTFSLKFSQTYT** KLNERYAKNNVSSKNYSCQGEMLFSLQEGFLLAKLVGLYSYGDHNCHHFYTQGENLTSQGT FRSQTMGGAVFFDLPMKPFGSTHILTAPFLGALGIYSSLSHFTEVGAYPRSFSTKTPLINV LVPIGVKGSFMNATQRPQAWTVELAYQPVLYRQELEIATQLLASKGIWFGSGSPSSRHAMS YKISQQTQPLSWLTLHFQYHGFYSSSTFCNYLNGEIALRF or download from file Sequence 2 Enter accession or GI pomp91b or sequence in FASTA format from: 0 to: 0 DISVNGADISKGFWVSSLANFLNKSGSDIKKKFKHHSAGIALGVIAQIPSDDVCSAAFCQ LFGKDKDYFVSKNSSTIYAGSIYYQHISYWNTWNTLLQNTLGAEAPLVLNAQLTYCHASN NMKTNMTNTYTPKNVTPSEIKGDWGNDCFGVEFGAKAPIETASLLFDMYSPFVKLQLVHA HQDDFKENNSDQGRYFESNNLTNLSMPIGVKLEKFSHKDTASYNLTLAYAPDIVRSNPDC TASLLVSPTSAVWVTKANNLARHAFILQAGNYLALTRNTELFSQFGFELRGSCRTYNIDL **GSKIQF**

Comments and suggestions to blast-help@ncbi.nlm.nih.gov

Clear Input



NCBI Blast 2 Sequ nces r sults

BLAST 2 SEQUENCES RESULTS VERSION BLASTP 2.2.3 [Apr-24-2002]

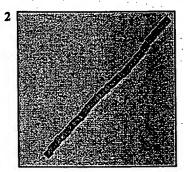
Matrix BLOSUM62 gap open: 11 gap extension: 1

x_dropoff: 50 expect: 10.0 wordsize: 3 Filter ☑ Align

Sequence 1 |cl||seq_1 | Length 955 (1..955) PMPE PTA 2447

Sequence 2 |cl||seq_2 | Length 846 (1..846) POMP91B





NOTE: The statistics (bitscore and expect value) is calculated based on the size of nr database

1 888 11 4 8 8 11 17 1

Score = 162 bits (409), Expect = 4e-38
Identities = 193/790 (24%), Positives = 324/790 (40%), Gaps = 101/790 (12%)

Query: 172 GAISTANTFVVSENQSCFLFMDN---IC---IQTNTAGKGGAIYAGTSNSFESNNCDLFF 225 G S N SE F+ N +C I T ++ G +GT+ + + + LF Sbjct: 68 GKDSPLNKSCFSETTENLSFIGNGYTLCFDNITTQSSHPGAISVSGTNKTLDISGFSLFS 127 Query: 226 INNACCAG----GAIFSPICSLTGNRGNIVFYNNRCFKNVETASSEASDGGAIKVTTRLD 281 C G GAI + + ++VF+ KN TA A + T LSbjct: 128 CAYCCPPGTTGYGAIQTKGTTTLKDNSSLVFH-----KNCSTAEGGAIQCKSSSSTAELK 182 Query: 282 VTGNRGRIFFSDNITKNYGGAIYAPVVTLVDNGPTYFINN-VANN---KGGAIYI-DGTS 336 + N+ +F S+N +K GGAIYA +T+V GPT F NN V++N KGGAI I D Sbjct: 183 LENNKNLVF-SENSSKEKGGAIYADKLTIVSGGPTLFSNNSVSHNSSPKGGAICIKDSDG 241 Query: 337 NSKISADRHAIIFNENIVTNVTSANGTSTSANPPRRNAITVASSSGEILLGAGSSQNLIF 396 ++A+ I F+ N + . + T T RN+T + S Sbjct: 242 ECSLTANLGDITFDGNKIITTNGGSPTVT-----RNSIDLGSGGKFTKLNAKEGFGIFF 295 Query: 397 YDPIEVSNAGVSVSFNK---EADQTGSVVFSGATVNSAD-FHQRNLQTKTPAPLTLSNGF 452 YDPI + + NK + TG +VFSG ++ + NL++ PL + G Sbjct: 296 YDPIANTGGSTEIELNKTESDTTYTGKIVFSGEKLSDEEKTVPANLKSYFKQPLKIGAGS 355 Query: 453 LCIEDHAQLTVNRFTQT-GGVVSLGNGAVLSCYKNGAGNSASNASITLKHIGLNLSSILK 511 L++D L + TQT G V + G L S+S +ITL ++ +N++S+ Sbjct: 356 LVLKDGVTLEAKKITQTKGSTVVMDLGTTLQT-----PSSSGETITLTNLDINIASLGG 409 Query: 512 SGAEIPLLWVEPTNNSNNYTADTAATFSLSDVKLSLIDDYGNSPYESTDLTHALSSQFML 571 A A+ ++S ++L++ N+ YE L+ + S Sbjct: 410 GGGTAPA------KLATNTASQAISIAAVNLVNTDSNT-YEDPILSASKSFSAIT 457 Query: 572 SISEASDNQLRSDDMDFSGLNVP-HYGWQGLWSWGWAKTQDPEPASSATITDFKKANRFH 630 + + S + + + + P HYG+QG W+ W + SSA Sbjct: 458 ATT--SSSTVTPPETNLKNYTPPTHYGYQGNWTVTW-----KQGSSAQ----E 499 Query: 631 RTLLLTWLPAGYVPSPKHRSPLIANTLWGNMLLATESLKNSAELTPSDHPF-WGITGGGL 689 +T LTW GY P+P+ L+ NTLWG T +++N +++ + G Sbjct: 500 ktatltweqtgyspnpervgslvpntlwg-afsdtraiqnlmdisvngadysrgfwvssl 558 Query: 690 GMMVYQEPRENHPGFHMRSSGYFAGMIA--GQTHTFSLKFSQTYTKLNERYAKNNVSSKN 747

```
F S+GY G+ A
                                            S FQ+K++ NSS
Sbjct: 559 ANFLNKSGSDTKRKFRHHSAGYALGVYAQTPSDDVCSAAFCQLFGKDKDYFVSKN-SSTI 617
Query: 748 YSCQGEMLF----- 790
          Y+ G + + +L + + + CH N+T+
Sbjct: 618 YA--GSIYYQHISYWNTWNTLLQNTLGAEAPLVLNAQLTYCHASNNMKTNMTNTYTPKNV 675
Query: 791 ----QGTFRSQTMGGAVFFDLPMKPFGSTHILTAPFLGALGIYSSLSHFTEVGAYPRSF 845
               +G + + - G -
                             P++ + +PF+ +++ F E +
Sbjct: 676 TPSEIKGDWGNDCFGVEFGAKAPIETASLLFDMYSPFVKLQLVHAHQDDFKENNSDQGRY 735
Query: 846 STKTPLINVLVPIGVKGSFMNATQRPQAWTVELAYQPVLYRQELEIATQLLAS--KGIWF 903
              L N+ +PIGVK
                           + + ++ + LAY P + R + LL S +W
Sbjct: 736 FESNNLTNLSMPIGVKLEKF-SHKDTASYNLTLAYAPDIVRSNPDCTASLLVSPTSAVWV 794
Query: 904 GSGSPSSRHA 913
Sbjct: 795 TKANNLARHA 804
CPU time: 0.23 user secs.
                                 0.03 sys. secs
                                                         0.26 total secs.
Lambda
           0.132 0.396
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Gapped
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   0.267 0.0410
                    0.140
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Number of HSP's better than 10.0 without gapping: 1
Number of HSP's successfully gapped in prelim test: 0
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length of query: 955
length of database: 326,887,585
effective HSP length: 133
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X2: 129 (49.7 bits)
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S1: 41 (21.6 bits)
S2: 78 (34.7 bits)
```